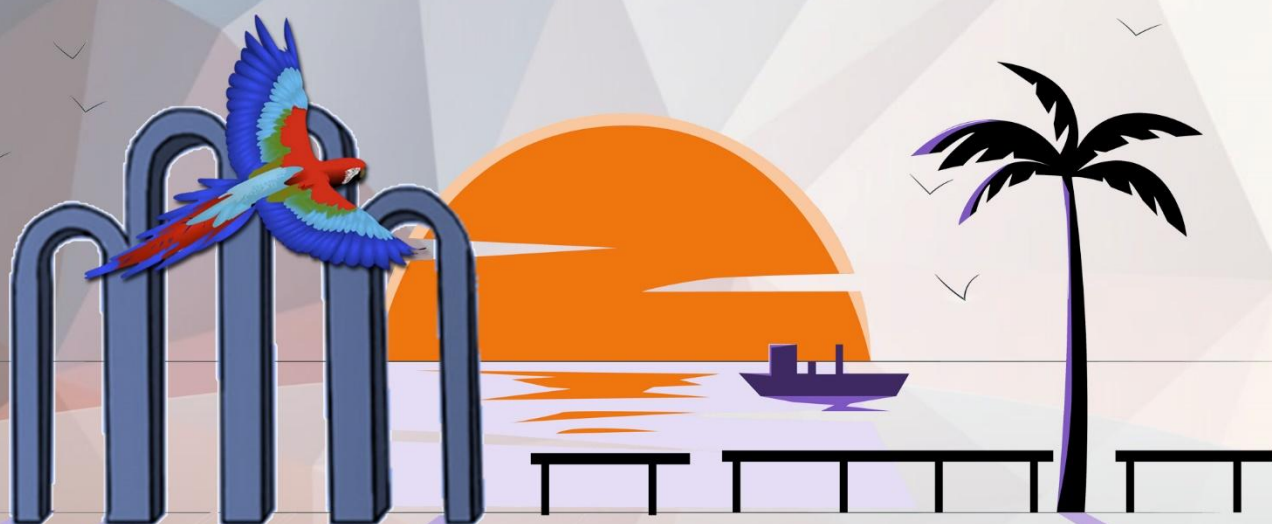


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**XVI LATIN AMERICAN CONGRESS ON ORGANIC GEOCHEMISTRY
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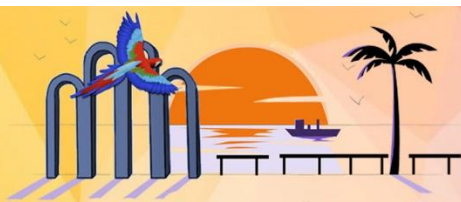
Wednesday 08/09/2023	
09:00 – 09:30	<i>Opening Ceremony</i>
09:30 – 10:00	<i>Talk XIX CBGq</i>
10:00 – 10:30	<i>Knowledge through ultrahigh resolution mass spectrometry in Petroleum E&P</i> Thomas Oldenburg, University of Calgary, Canada
10:30 – 11:00	Coffee Break
Session I - Organic Geochemistry in Latin America - A Reflection on its Past, Present, and Vision for the Future Chair: Débora de Almeida Azevedo, UFRJ, Brazil	
11:00 – 11:30	THE HISTORY OF ORGANIC GEOCHEMISTRY IN LATIN AMERICA Luiz Antônio F. Trindade, UFRJ, Brazil
11:30 – 12:00	50-YEAR JOURNEY OF THE GEOCHEMISTRY PROGRAM (UFF) IN THE NATIONAL AND INTERNATIONAL CONTEXT Marcelo Bernardes, UFF, Brazil
12:00 – 12:30	USING GEOCHEMICAL TECHNOLOGIES TO SUPPORT THE JOURNEY OF ULTRA DEEP WATERS PETROLEUM DISCOVERIES IN SERGIPE BASIN Igor Viegas Alves Fernandes de Souza, Petrobras, Brazil
12:30 – 14:00	Lunch
Session II – Petroleum System & Source Rock, Oil and Gas Characterization Chair: Luiz Antônio F. Trindade, UFRJ, Brazil	
14:00 – 14:40	POTENTIAL OF THE SOURCE ROCKS IN THE CEARÁ AND POTIGUAR BASINS, ON THE BRAZILIAN EQUATORIAL MARGIN: A NEW EXPLORATORY FRONTIER Narelle Maia de Almeida, UFC, Brazil
14:40 – 15:00	THE IMPORTANCE OF USING LOCAL KINETICS ON MODELLING PETROLEUM SYSTEMS: PARNAIBA BASIN ATYPICAL PETROLEUM SYSTEM CASE STUDY Henrique Araújo Lopes, ENEVA, Brazil
15:00 – 15:20	OCCURRENCE OF IMMATURE CONDENSATE IN BIOGENIC GAS FROM COLOMBIAN CARIBBEAN AND ITS GEOLOGICAL IMPLICATIONS André Luiz Durante Spigolon, Petrobras, Brazil
15:20 - 15:40	FT-ICR-MS CHARACTERIZATION OF NSO COMPOUNDS IN CRUDE OIL AND ITS GEOCHEMICAL IMPLICATIONS Jorge Armando Orrego-Ruiz, Ecopetrol, Colombia
15:40 – 16:00	USE OF THE NITROGEN MARKERS FOR PALEODEPOSITIONAL EVALUATION OF THE CANDEIAS (RECÔNCAVO BASIN) AND BARREIRINHA (AMAZONAS BASIN) FORMATION Diego Nery Do Amaral, UFBA, Brazil
16:00 – 16:30	Coffee Break
16:30 – 17:00	Poster Session I ALA, ALB, ALC, ALD and ALF
17:00 – 17:30	
17:30 – 18:00	
18:00 – 19:00	CULTURAL EVENT



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Thursday 08/10/2023	
Session III - Isotopic & Reservoir Geochemistry	
Chair: Alexandre de Andrade Ferreira, Petrobras, Brazil	
09:00 – 09:50	NOVEL ISOTOPIC METHODS TO TRACE THE ORIGIN AND HISTORY OF ORGANIC MOLECULES Alexis Gilbert, Tokyo Tech, Japan
09:50 – 10:10	ELEMENTAL AND ISOTOPIC COMPOSITION OF SEDIMENTARY ORGANIC MATTER FROM ADMIRALTY BAY (KING GEORGE ISLAND, ANTARCTICA) Viviane Korres, UFPR, Brazil
10:10 – 10:30	STABLE ISOTOPE ANALYSIS OF BENZOIC ACID USING ELECTROSPRAY ORBITRAP MASS SPECTROMETRY Gabriel Franco Dos Santos, UFG, Brazil
10:30 – 11:00	Coffee Break
11:00 – 11:30	RESERVOIR GEOCHEMISTRY 4D: THE USE OF FINGERPRINTING AS A WAY TO MONITOR WAG EFFICIENCY Joelma Pimentel Lopes, Petrobras, Brazil
11:30 – 11:50	IDENTIFYING PRE-SALT CRUDE OILS COMPOSITIONAL VARIATIONS IN PRODUCTION MONITORING BY COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY Clarisse Lacerda Torres, UFRJ, Brazil
11:50 – 12:10	COMPARATIVE ANALYSIS OF TWO HORIZONTAL WELLS IN THE VACA MUERTA FORMATION USING STABLE ISOTOPES IN HYDROCARBON GASES AND ROCK GEOCHEMICAL DATA Federico Daniel Weibel, INGEIS, Argentina
12:10 – 12:30	GEOCHEMICAL FINGERPRINTING ANALYSIS FOR ALLOCATION OF COMMINGLED OIL PRODUCTION: A CASE STUDY Claudia Juliana Orejuela Parra, Ecopetrol, Colombia
12:30 – 14:00	Lunch
Session IV – Environmental Geochemistry & Biogeochemistry	
Chair: Marcelo Bernardes, UFF, Brazil	
14:00 – 14:20	ORGANIC MATTER IN AMAZONIAN AQUATIC BODIES: CURRENT AND FUTURE SCENARIOS Giovana Anceski Bataglion, UFAM, Brazil
14:20 – 14:40	ENVIRONMENTAL FORENSICS-THE PAST, PRESENT, AND FUTURE Richard P. Philp, OU, USA
14:40 -15:00	TRANSPORT OF TERRIGENOUS ORGANIC MATTER TO THE OCEAN RELATED TO PRECIPITATION EVENTS DURING THE LAST 18,000 YEARS IN THE AMAZON BASIN. Gabriela Souza Gomes, UFF, Brazil
15:00 – 15:20	EVALUATION OF THE MOLECULAR CHEMICAL PROFILE OF BRAZILIAN OILS FOR FORENSIC STUDIES AND INVESTIGATION OF ENVIRONMENTAL CRIMES Flavia Rodrigues Alvares UFRJ, Brazil
15:20 – 15:40	BIODEGRADATION OF THE SPILLED OIL ON THE BRAZIL'S NORTHEAST COAST OVER TIME (2019-2021) ASSESSED BY HIGH-RESOLUTION TECHNIQUES Laercio Lopes Martins, UENF, Brazil
15:40 – 16:00	GEOCHEMICAL FORENSIC EVALUATION OF RECENTLY APPEARING TAR BALLS ON THE NORTHEAST COAST OF BRAZIL AND THEIR RELATIONSHIP WITH THE MYSTERIOUS 2019 OIL SPILL Marília Gabriela Araújo Pereira, UFRPE, Brazil
16:00 – 16:30	Coffee Break
16:30 – 17:00	Poster Session II ALE, ALG, ALH, ALI
17:00 – 17:30	
17:30 – 18:00	
18:00 – 19:00	ALAGO ASSEMBLY



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Friday 08/11/2023

Session IV – Environmental Geochemistry & Biogeochemistry

Chair: Marcelo Bernardes, UFF, Brazil

09:00 – 09:50	TRADITIONAL MOLECULAR MARKERS AS INDICATORS OF ENVIRONMENTAL CHANGES ON THE SOUTH-SOUTHEAST COAST OF BRAZIL César C. Martins, USP, Brazil
09:50 – 10:10	GEOCHEMICAL CHARACTERIZATION OF BIOTIC CRISES FROM EARLY TO MIDDLE DEVONIAN IN PONTA GROSSA FORMATION, PARANÁ BASIN Eliane Soares De Souza, UENF, Brazil
10:10 – 10:30	CHARACTERIZATION OF TERRESTRIAL ORGANIC CARBON DURING THE LAST GLACIAL FROM MARINE CORE IN THE WESTERN EQUATORIAL ATLANTIC Alice Maria Da Silva Rodrigues, UFF, Brazil
10:30 – 11:00	Coffee Break
11:00 -11:30	FROM ATOMS TO LANDSCAPES THROUGH TIME: BIOGEOCHEMICAL CYCLES AND THE CHEMICAL CONTROLS ON CARBONATE PRECIPITATION IN ALKALINE LAKES Raphael Pietzsch, Petrobras, Brazil
11:30 – 11:50	QUANTITATIVE ESTIMATIONS OF PRESERVATION OF ORGANIC CARBON DURING CRETACEOUS OCEANIC ANOXIC EVENTS IN THE ESPÍRITO SANTO BASIN Igor Martins Venancio Padilha De Oliveira, UFF, Brazil
11:50 – 12:10	APPLICATION OF PENTACYCLIC TRITERPENOL METHYL ETHERS IN RECENT SEDIMENTS: A NEW PALEOENVIRONMENTAL INDEX? Vinicius Barreto Pereira, UFRJ, Brazil
12:10 – 12:30	IRON AND TRACE METALS GEOCHEMISTRY IN MARINE SEDIMENTS FROM CONTINENTAL SHELF OF DOCE AND JEQUITINHONHA RIVERS, BRAZIL Javier Marcelino Salazar Rodríguez UFF, Brazil

12:30 – 14:00

Lunch

Session V – Data Mining & Analytical Techniques

Chair: Alberto Wisniewski Júnior, UFS, Brazil

14:00 – 14:40	PETROLEOMICS: FROM CRUDE OIL TO ASPHALTENES Matthias Witt, Bruker, Germany
14:40 – 15:00	ASSESSMENT OF A POTENTIAL BIOMARKER FOR THERMAL EVOLUTION OF OILS FROM POLAR COMPOUNDS ANALYSIS BY ULTRAHIGH-RESOLUTION MASS SPECTROMETRY Arquimedes Moraes Souza Coutinho, UFPB, Brazil
15:00 – 15:20	GC-MS/MS APPLIED FOR THE IDENTIFICATION OF NOVEL DIAROMATIC COMPOUNDS Bruno Quirino Araújo, UFES, Brazil
15:20 – 15:40	STOCHASTIC TOC MODELING FOR EAST AFRICAN RIFT SYSTEM LAKES, A POSSIBLE PRE-SALT ANALOGOUS. Victor Ribeiro Carreira, UFF, Brazil
15:40 – 16:00	WHEN THE NEW FRONTIERS ARE MEANT TO BE MORE THAN NEW PROSPECTS Érica Tavares de Moraes, Petrobras, Brazil

16:00 – 16:30

Coffee Break

Session VI - Acolhimento e Diversidade: Equidade no Cenário de Geociências

Chair: Darlly Erika Silva dos Reis, UFRJ, Brazil

16:30 – 16:50	CENSUS OF GEOSCIENCES AND THE QUALITATIVE AND QUANTITATIVE ANALYSIS OF PROFESSIONAL INEQUALITIES Jéssica De Souza Gabi Barcellos UFF, Brazil
16:50 – 17:10	INICIATIVAS A FAVOR DA DIVERSIDADE NA PETROBRAS Caroline Marchon Caetano, Petrobras, Brazil
17:10 – 17:30	DIVERSITY AND WELCOMING IN WORKING SPACES: WHAT DO BRAZILIAN GEOSCIENTISTS NEED? Laisa De Assis Batista, USP, Brazil

17:30 – 19:00

End Remarks, Awards, and Farewell

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ORAL PRESENTATIONS



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Oral Presentations – XVI ALAGO

<i>Petroleum System & Rock, Oil and Gas Characterization</i>
THE IMPORTANCE OF USING LOCAL KINETICS ON MODELLING PETROLEUM SYSTEMS: PARNAIBA BASIN ATYPICAL PETROLEUM SYSTEM CASE STUDY <i>Henrique Araújo Lopes, Eduardo de Mío</i>
OCCURRENCE OF IMMATURE CONDENSATE IN BIOGENIC GAS FROM COLOMBIAN CARIBBEAN AND ITS GEOLOGICAL IMPLICATIONS <i>André Luiz Durante Spigolon, Jarbas Vicente Poley Guzzo, Igor Viegas A. F. de Souza</i>
FT-ICR-MS CHARACTERIZATION OF NSO COMPOUNDS IN CRUDE OIL AND ITS GEOCHEMICAL IMPLICATIONS <i>Jorge Armando Orrego-Ruiz, Silvia A. Pedraza-Rodríguez, Jael Y. Pacheco-Mendoza, Fernando A. Rojas-Ruiz, Miguel F. Jimenez-jácome, Claudia J. Orejuela-Parra, María Del Rosario Sánchez-Fuentes</i>
USE OF THE NITROGEN MARKERS FOR PALEODEPOSITIONAL EVALUATION OF THE CANDEIAS (RECÔNCAVO BASIN) AND BARREIRINHA (AMAZONAS BASIN) FORMATION <i>Diego Nery do Amaral, Flávia Lima e Cima Miranda, Antonio Fernando Queiroz, Karina Santos Garcia, Maria Elisabete Machado, Sergio Luis Costa Ferreira</i>

<i>Isotopic & Reservoir Geochemistry</i>
ELEMENTAL AND ISOTOPIC COMPOSITION OF SEDIMENTARY ORGANIC MATTER FROM ADMIRALTY BAY (KING GEORGE ISLAND, ANTARCTICA) <i>Viviane Korres Bisch, Satie Taniguchi, Marcia Caruso Bicego, Rafael André Lourenço, Amanda Câmara de Souza, César de Castro Martins</i>
STABLE ISOTOPE ANALYSIS OF BENZOIC ACID USING ELECTROSPRAY ORBITRAP MASS SPECTROMETRY <i>Gabriel Franco dos Santos, Gesiane da Silva Lima, Giovanni B. Bevilacqua, Nerilson M. Lima, Rodrigo C. da Silva, Alexandre A. Ferreira, Boniek G. Vaz</i>
RESERVOIR GEOCHEMISTRY 4D: THE USE OF FINGERPRINTING AS A WAY TO MONITOR WAG EFFICIENCY <i>Joelma Pimentel Lopes, Igor Vegas Alves Fernandes de Souza, Daniel Silva Dubois, Jarbas Vicente Poley Guzzo, Alexandre Jaime Mello Vieira, Alexandre de Andrade Ferreira, Marcia Ida de Oliveira Silva, Jose Sérgio de Araujo Cavalcante Filho, Victor de Souza Rios</i>
IDENTIFYING PRE-SALT CRUDE OILS COMPOSITIONAL VARIATIONS IN PRODUCTION MONITORING BY COMPREHENSIVE TWO DIMENSIONAL GAS CHROMATOGRAPHY <i>Clarisse Lacerda Torres, Dayane Magalhães Coutinho, Vinicius Barreto Pereira, Mônica Cardoso Santos, Luiz Antonio Freitas Trindade, Daniel Silva Dubois, Joelma Pimentel Lopes, Gabriela Vanini, Francisco Radler de Aquino Neto, Débora de Almeida Azevedo</i>
COMPARATIVE ANALYSIS OF TWO HORIZONTAL WELLS IN THE VACA MUERTA FORMATION USING STABLE ISOTOPES IN HYDROCARBON GASES AND ROCK GEOCHEMICAL DATA <i>Frederico Daniel Weibel, Martin Eugenio Fasola</i>
GEOCHEMICAL FINGERPRINTING ANALYSIS FOR ALLOCATION OF COMMINGLED OIL PRODUCTION: A CASE STUDY <i>Claudia Juliana Orejuela Parra, Jael Yanine Pacheco, Claudia Juliana Quintero, David Cañas</i>

<i>Environmental Geochemistry & Biogeochemistry</i>
TRANSPORT OF TERRIGENOUS ORGANIC MATTER TO THE OCEAN RELATED TO PRECIPITATION EVENTS DURING THE LAST 18,000 YEARS IN THE AMAZON BASIN <i>Gabriela Souza Gomes, Alice Maria da Silva Rodrigues, Igor Martins Venancio Padilha de Oliveira, Marcelo Corrêa Bernardes</i>
EVALUATION OF THE MOLECULAR CHEMICAL PROFILE OF BRAZILIAN OILS FOR FORENSIC STUDIES AND INVESTIGATION OF ENVIRONMENTAL CRIMES <i>Flavia Rodrigues Alvares, Vinicius Barreto Pereira, Ana Luiza Barboza S. Silva, Luiz Augusto de Oliveira Costa, Débora de Almeida Azevedo, Francisco Radler de Aquino Neto, Gabriela Vanini Costa</i>



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BIODEGRADATION OF THE SPILLED OIL ON THE BRAZIL'S NORTHEAST COAST OVER TIME (2019-2021) ASSESSED BY HIGH-RESOLUTION TECHNIQUES <i>Laercio Lopes Martins, Bárbara Diniz Lima, Vinícius Barreto Pereira, Danielle Mitze Muller Franco, Ignes R. dos Santos, Jandyson Machado Santos, Boniek Gontijo Vaz, Débora de Almeida Azevedo, Georgiana Feitosa da Cruz</i>
GEOCHEMICAL FORENSIC EVALUATION OF RECENTLY APPEARING TAR BALLS ON THE NORTHEAST COAST OF BRAZIL AND THEIR RELATIONSHIP WITH THE MYSTERIOUS 2019 OIL SPILL <i>Marília Gabriela Araújo Pereira, Ignes R. dos Santos, Isabelle F. S. de Lima, Jhonattas C. Carregosa, Alberto Wisniewski Jr, Jandysson Machado Santos</i>
GEOCHEMICAL CHARACTERIZATION OF BIOTIC CRISES FROM EARLY TO MIDDLE DEVONIAN IN PONTA GROSSA FORMATION, PARANÁ BASIN <i>Eliane Soares de Souza, Luiza Rodrigues Rocha, Hélio Jorge Portugal Severiano Ribeiro, Luiz Carlos Bertolino, Georgiana Feitosa da Cruz</i>
CHARACTERIZATION OF TERRESTRIAL ORGANIC CARBON DURING THE LAST GLACIAL FROM MARINE CORE IN THE WESTERN EQUATORIAL ATLANTIC <i>Alice Maria da Silva Rodrigues, Rodrigo de Lima Sobrinho, Patrícia Piacsek, Ioanna Bouloubassi, Arnaud Huguet, Ana Luiza Spadano Albuquerque, Igor Martins Venancio, Mercedes Mendez, Joana Ferreira da Cruz, Marcelo C. Bernardes</i>
FROM ATOMS TO LANDSCAPES THROUGH TIME: BIOGEOCHEMICAL CYCLES AND THE CHEMICAL CONTROLS ON CARBONATE PRECIPITATION IN ALKALINE LAKES <i>Raphael Pietzsch</i>
QUANTITATIVE ESTIMATIONS OF PRESERVATION OF ORGANIC CARBON DURING CRETACEOUS OCEANIC ANOXIC EVENTS IN THE ESPÍRITO SANTO BASIN <i>Igor Martins Venancio Padilha de Oliveira, Thiago Pereira dos Santos, Andre Luiz Belem, Marcelo Correa Bernardes, Rut Amelia Diaz, Victor Ribeiro Carreira, Manuel antonio moreira ramirez, Andre luiz durante spigolon, Igor viegas a.f. de souza, Ana Luiza Spadano Albuquerque</i>
APPLICATION OF PENTACYCLIC TRITERPENOL METHYL ETHERS IN RECENT SEDIMENTS: A NEW PALEOENVIRONMENTAL INDEX? <i>Vinicius Barreto Pereira, Karen T. Stelzer, Rafael S. Xavier, Raquel V. S. Silva, Débora A. Azevedo</i>
IRON AND TRACE METALS GEOCHEMISTRY IN MARINE SEDIMENTS FROM CONTINENTAL SHELF OF DOCE AND JEQUITINHONHA RIVERS, BRAZIL <i>Javier Marcelino Salazar Rodríguez, Grace Alejandra Navas Rivas, Manuel Moreira Ramirez, Gabriel Nuto Nobrega, Ana Luiza Albuquerque, André Bahr, Rut Amelia Diaz Ramos</i>

Data Mining & Analytical Techniques

ASSESSMENT OF A POTENTIAL BIOMARKER FOR THERMAL EVOLUTION OF OILS FROM POLAR COMPOUNDS ANALYSIS BY ULTRAHIGH-RESOLUTION MASS SPECTROMETRY <i>Arquimedes Moraes Souza Coutinho, Jhonattas de Carvalho Carregosa, Wenes Ramos da Silva, Boniek Gontijo Vaz, Taynara Rodrigues Covas, Alberto Wisniewski Junior, Jandyson Machado Santos</i>
GC-MS/MS APPLIED FOR THE IDENTIFICATION OF NOVEL DIAROMATIC COMPOUNDS <i>Bruno Quirino Araújo, Arkellau Kenned Silva Moura, Vinicius Barreto Pereira, Débora de Almeida Azevedo, Antônia Maria das Graças Lopes Cito</i>
STOCHASTIC TOC MODELING FOR EAST AFRICAN RIFT SYSTEM LAKES, A POSSIBLE PRE-SALT ANALOGOUS. <i>Victor Ribeiro Carreira, Victor Ribeiro Carreira, Igor Martins Venancio, André Luiz Belém, Rodrigo Azevedo Nascimento, Igor Viegas Alves Fernandes de Souza, André Luiz Durante Spigolon, Ana Luiza Spadano Albuquerque</i>

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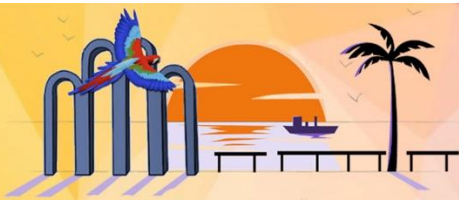
POSTER PRESENTATIONS



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Poster Presentations – 08/09/2023

Number	Title	Authors	Session
ALA085	INTEGRATED GEOCHEMICAL EXPLORATION IN THE NORTH SECTOR OF OFFSHORE ARGENTINA BASIN	<i>Alejandro Gómez Dacal</i>	<i>Petroleum System</i>
ALA308	GEOCHEMICAL CHARACTERIZATION OF STRATIGRAPHIC WELL 2-ANP-6-MT, PARECIS BASIN: IMPLICATIONS ON THE EVALUATION OF OIL SYSTEMS	<i>Ismael Ramos Pereira, Olívia Maria Cordeiro de Oliveira, Karina dos Santos Garcia, José Roberto Cerqueira, Antônio Fernando de Souza Queiroz, Sarah Adriana Rocha Soares, Ramsés Capilla, Cleverson José Ferreira de Oliveira</i>	<i>Petroleum System</i>
ALA382	HABITAT OF THE GASEOUS HYDROCARBONS IN THE AUSTRAL BASIN, CONTINENTAL SECTOR (ARGENTINA).	<i>Damián Villalba, Héctor J. Villar, Damián M. Jait, Martín F. Cevallos</i>	<i>Petroleum System</i>
ALA439	DEDUCTION OF UNCONVENTIONAL FORMATIONS DEPOSITIONAL SETTINGS FROM TOTAL ORGANIC CARBON DETERMINATION TOGETHER WITH PYROLYSIS MEASUREMENTS OF HYDROCARBONS GENERATION POTENTIAL AND RESIDUAL CARBON	<i>Albert Maende</i>	<i>Petroleum System</i>
ALA509	ESTIMATIVA DA MATURAÇÃO TÉRMICA EQUIVALENTE DAS FRAÇÕES LÍQUIDA E GASOSA EXPULSAS DA ROCHA GERADORA E AVALIAÇÃO DO PROCESSO CUMULATIVO X INSTANTÂNEO DE PREENCHIMENTO DOS RESERVATÓRIOS DO CAMPO DE MERO E PAD DE LIBRA CENTRAL	<i>Caroline Marchon Caetano</i>	<i>Petroleum System</i>
ALA637	THE IMPORTANCE OF USING LOCAL KINETICS ON MODELLING PETROLEUM SYSTEMS: PARNAIBA BASIN ATYPICAL PETROLEUM SYSTEM CASE STUDY	<i>Henrique Araújo Lopes, Eduardo de Mío</i>	<i>Petroleum System</i>
ALA681	OCCURRENCE OF IMMATURE CONDENSATE IN BIOGENIC GAS FROM COLOMBIAN CARIBBEAN	<i>André Luiz Durante Spigolon, Jarbas Vicente Poley Guzzo, Igor Viegas A. F. de Souza</i>	<i>Petroleum System</i>



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	AND ITS GEOLOGICAL IMPLICATIONS		
Number	Title	Authors	Session
ALB030	PALEOENVIRONMENT ASSESSMENT OF IRATI FORMATION BASED ON THE SEMI-QUANTIFICATION OF S-MARKERS FOURIER TRANSFORM ION CYCLOTRON RESONANCE MASS SPECTROMETRY	<i>Lua Morena Leoncio de Oliveira, Antonio Fernando Queiroz, Karina S. Garcia, Olivia M.c de Oliveira, José Roberto Cerqueira, Maria Elisabete Machado, Thomas B. P. Oldenburg</i>	Source Rock, Oil and Gas Characterization
ALB060	CHANGES ON MOLECULAR STRUCTURE DURING ARTIFICIAL MATURATION OF KEROGEN FROM THE NEUQUEN BASIN, ARGENTINA	<i>Jorge Andrés Donadelli, Gerardo Matinez Delfa, Clara Smal</i>	Source Rock, Oil and Gas Characterization
ALB061	EVOLUTION OF BIOMARKERS IN EXTRACTS OF ARTIFICIALLY MATURED KEROGEN FROM THE NEUQUEN BASIN, ARGENTINA	<i>Juan Americo Botto Irirarte, Santiago Orduna, Jorge Andrés Donadelli, Gerardo Martinez Delfa</i>	Source Rock, Oil and Gas Characterization
ALB064	SIMPLE APPROACH TO SEDIMENT WASHING FOR DRILL CUTTINGS DESCRIPTION OF PRE-SALT ROCKS	<i>Daniela França dos Santos, Fabia Emanuela Rafaloski Bobco, Wagner Moreira Lupinacci, Antônio Fernando Menezes Freire</i>	Source Rock, Oil and Gas Characterization
ALB067	SYNCHRONOUS FLUORESCENCE SPECTROSCOPY: APPLICATION FOR IDENTIFYING LIQUID HYDROCARBONS ANOMALIES IN SURFACE GEOCHEMICAL STUDIES	<i>Elias Kassabji</i>	Source Rock, Oil and Gas Characterization
ALB084	THE POSTGLACIAL HYDROCARBON SOURCE ROCK OF THE PARNAÍBA BASIN	<i>Ailton Silva Brito, Joelson Lima Soares, Iara Samara de Alcantara Silva, Sidney Gonçalves de Lima</i>	Source Rock, Oil and Gas Characterization
ALB099	VACA MUERTA SHALE GEOCHEMICAL PATTERNS REVISITED, NEUQUEN BASIN, ARGENTINA	<i>Martin Eugenio Fasola, Ignacio Edecio Brison, Hector J. Villar</i>	Source Rock, Oil and Gas Characterization
ALB106	FT-ICR-MS CHARACTERIZATION OF NSO COMPOUNDS IN CRUDE OIL AND ITS GEOCHEMICAL IMPLICATIONS	<i>Jorge Armando Orrego-Ruiz, Silvia A. Pedraza-Rodríguez, Jael Y. Pacheco-Mendoza, Fernando A. Rojas-Ruiz, Miguel F. Jimenez-Jácome, Claudia J. Orejuela-Parra, María Del Rosario Sánchez-Fuentes</i>	Source Rock, Oil and Gas Characterization
ALB123	CORRELAÇÃO DE FÁCIES, ANÁLISE DE POROSIDADE E PERMEABILIDADE DO PRÉ-SAL DA BACIA DE SANTOS E IMPLICAÇÕES NA QUALIDADE DE RESERVATÓRIOS	<i>Filipe Constantino dos Santos, Alessandro Batezelli</i>	Source Rock, Oil and Gas Characterization
ALB124	POSSIBLE MARINE INFLUENCE ON BATATEIRA BEDS, BARBALHA FORMATION – ARARIPE BASIN	<i>Artur Leal de Carvalho Barros, André Luiz Durante Spigolon, Sidney Gonçalves de Lima</i>	Source Rock, Oil and Gas Characterization
ALB141	IGNEOUS INTRUSIONS INFLUENCE IN SERRA ALTA FORMATION SHALES (PARANÁ BASIN)	<i>Lorena Tuane Gomes de Almeida, Ailton da Silva Brito, Sidney Gonçalves de Lima</i>	Source Rock, Oil and Gas Characterization
ALB142	APPLICATION OF PCA IN DETERMINING THE CONTROLS AND INDICATORS OF HYDROCARBON GENERATION	<i>Alek André Costa de Sousa, Ailton Silva Brito, Alexandre Araújo de Souza, Agostinho Mussa,</i>	Source Rock, Oil and Gas Characterization



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		<i>Edymilaís da Silva Sousa, Wolfgang Kalkreuth, Sidney Gonçalves de Lima</i>	
Number	Title	Authors	Session
ALB124	POSSIBLE MARINE INFLUENCE ON BATATEIRA BEDS, BARBALHA FORMATION – ARARIPE BASIN	Artur Leal de Carvalho Barros, André Luiz Durante Spigolon, Sidney Gonçalves de Lima	Source Rock, Oil and Gas Characterization
ALB141	IGNEOUS INTRUSIONS INFLUENCE IN SERRA ALTA FORMATION SHALES (PARANÁ BASIN)	Lorena Tuane Gomes de Almeida, Ailton da Silva Brito, Sidney Gonçalves de Lima	Source Rock, Oil and Gas Characterization
ALB142	APPLICATION OF PCA IN DETERMINING THE CONTROLS AND INDICATORS OF HYDROCARBON GENERATION	Alek André Costa de Sousa, Ailton Silva Brito, Alexandre Araújo de Souza, Agostinho Mussa, Edymilaís da Silva Sousa, Wolfgang Kalkreuth, Sidney Gonçalves de Lima	Source Rock, Oil and Gas Characterization
ALB198	IDENTIFICATION AND CHARACTERIZATION OF SOURCE ROCK INTERVALS ON THE PRE-SALT APTIAN DEPOSITS OF SANTOS BASIN	Rafaela Luana Lenz, Jaques Soares Schmidt, Tais Freitas da Silva, Argos Belmonte Silveira Schrank, Thisiane Cristine dos Santos, Elias Cembrani da Rocha, Sabrina Danni Althenhofen, Felipe Dalla Vecchia, Rosalia Barili da Cunha, Anderson Jose Maraschin	Source Rock, Oil and Gas Characterization
ALB212	DIRECT ANALYSIS OF ADAMANTANES AND DIAMANTANES IN APPI (+) FT-ICR MS APPLYING IN THERMAL EVOLUTION STUDIES	Danielle Mitze Muller Franco, Taynara Rodrigues Covas, Rosana Cardoso Lopes Pereira, Mário Duncan Rangel, Rosineide Costa Simas, Ygor dos Santos Rocha, Joelma Pimentel Lopes, Igor Viegas Alves Fernandes de Souza, Boniek Gontijo Vaz	Source Rock, Oil and Gas Characterization
ALB214	USE OF THE NITROGEN MARKERS FOR PALEODEPOSITIONAL EVALUATION OF THE CANDEIAS (RECÔNCAVO BASIN) AND BARREIRINHA (AMAZONAS BASIN) FORMATION	Diego Nery do Amaral, Flávia Lima e Cima Miranda, Antonio Fernando Queiroz, Karina Santos Garcia, Maria Elisabete Machado, Sergio Luis Costa Ferreira	Source Rock, Oil and Gas Characterization
ALB222	OPTIMIZATION OF A GC-MS/MS METHOD FOR QUANTIFICATION OF NITROGEN MARKERS IN CRUDE OIL SAMPLES FROM DIFFERENT SEDIMENTARY ENVIRONMENTS	Flávia Lima e Cima Miranda, Diego Nery do Amaral, Karina Santos Garcia, Antônio Fernando Queiroz, Maria Elisabete Machado	Source Rock, Oil and Gas Characterization
ALB253	A COMPARISON OF TOTAL ORGANIC CARBON CONTENT ACROSS THE OCEANIC ANOXIC EVENT 1B (OAE1B, KILIAN LEVEL) IN THE SOUTH ATLANTIC	Mauro Daniel Rodrigues Bruno, Fernanda Luft-souza, Bernardo Vázquez-garcía, Edna de Jesus Francisco Tungo, Victória Herder Sander, Marcos Antonio Batista dos Santos Filho, Henrique Parisi Kern, Alessandra Santos, Lilian Maia Leandro, Gerson Fauth	Source Rock, Oil and Gas Characterization



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ALB329	ANALYSIS OF VANADYL PORPHYRINS AND SULFUR CONTAINING VANADYL PORPHYRINS IN SEVERAL ASPHALTENES BY APPI AND LDI	<i>Matthias Witt, Estrella Rogel</i>	Source Rock, Oil and Gas Characterization
ALB331	EFFECT OF PRECIPITATION TIME ON DEPOSIT CHARACTERISTICS UPON CRUDE OIL BLENDING	<i>Matthias Witt, Marta Lencano, Estrella Rogel</i>	Source Rock, Oil and Gas Characterization
ALB343	CARACTERIZAÇÃO PALEOCEANOGRÁFICA DO EVENTO ANÓXICO OCEÂNICO 1D (OAE1D) NA BACIA SERGIPE-ALAGOS E SUA ASSOCIAÇÃO COM AS ROCHAS GERADORAS DE HIDROCARBONETOS	<i>Bernardo Vázquez-garcía, Mauro Daniel Rodrigues Bruno, Fernanda Luft de Souza, Henrique Parisi Kern, Jorge Villegas-Martín, Antônio Rosales Gonçalves Oliveira, Carolina Corrêa da Cunha, Ana Maria Scherer Thiesen Lucca, Alessandra Santos, Gerson Fauth</i>	Source Rock, Oil and Gas Characterization
ALB365	CHANGES IN KEROGEN COMPOSITION OF THE VACA MUERTA FM., ARGENTINA, ACROSS A THERMAL GRADIENT AFFECTED BY IGNEOUS INTRUSIONS	<i>Juan Agustín Pineda Alvarez, Juan Spacapan, Marcos Comerio, Ignacio Jausoro, Ignacio Brisson</i>	Source Rock, Oil and Gas Characterization
ALB472	THERMAL ANALYSIS OF SOURCE ROCKS BEFORE AND AFTER HYDROUS PYROLYSIS	<i>Felipe Jonathan da Silva Bispo, Júlia Ferreira Canella, Tatiana Simões Loureiro Maravilha, Andre Luiz Durante Spigolon, Ronald W. P. Ortiz, Vinicius Kartnaller, Vinicius Ottonio O. Gonçalves, João Cajaiba</i>	Source Rock, Oil and Gas Characterization
ALB473	PY-GCMS AS A TOOL TO DIRECTLY ASSESS HEPTANE THOMPSON'S INDEX FOR MATURITY EVALUATION OF ROCK SAMPLES	<i>Sandra Brandão Jorge, Regina Binotto, Daniel Silva Dubois, Andre Luiz Durante Spigolon, Tatiana Simões Loureiro Maravilha, Ronald W. P. Ortiz, Vinicius Kartnaller, João Cajaiba, Vinicius Ottonio O. Gonçalves</i>	Source Rock, Oil and Gas Characterization
ALB488	PHYSICAL SIMULATIONS OF PETROLEUM CHANGES RELATED TO INTERACTION WITH CO ₂ AND CH ₄	<i>Joelma Pimentel Lopes, Alexandre Jaime Mello Vieira, Henrique Luiz de Barros Penteado</i>	Source Rock, Oil and Gas Characterization
ALB497	GEOCHEMICAL CHARACTERIZATION IN SHALES OF THE INTERCEMENT QUARRY (MORRO DO CHAVES FORMATION, SERGIPE-ALAGOAS BASIN)	<i>Ramses Capilla, Hanna Carolina Lins de Paiva, Valéria Gallo</i>	Source Rock, Oil and Gas Characterization
ALB500	PALEODEPOSITIONAL INTERPRETATION OF AN INTERVAL IN THE TREMEMBÉ FORMATION, TAUBATÉ BASIN	<i>Nelson Ferreira dos Santos Junior, Ramses Capilla, Andre Luiz Durante Spigolon</i>	Source Rock, Oil and Gas Characterization
ALB503	SOURCE ROCK MODELLING FOR THE SERGIPE BASIN USING ACHILLES.BR 1D	<i>Pedro Vitor Abreu Affonso, Igor Martins Venancio Padilha de Oliveira, Thiago Pereira dos Santos, Victor Ribeiro Carreira, Manuel Antonio Moreira Ramirez, André Luiz Durante Spigolon, Igor Viegas Alves Fernandes de Souza, Ana</i>	Source Rock, Oil and Gas Characterization



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		<i>Luiza Spadano Albuquerque</i>	
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ALB510	UNVEILING THE COMPOSITION OF CRUDE OIL: A COMPREHENSIVE STUDY USING ULTRA-HIGH MASS SPECTROMETRY AND MULTIPLE IONIZATION SOURCES	<i>João Victor Ataíde Oliveira, Deborah V. A. Aguiar, Gesiane S. Lima, Iris M. S. Júnior, Alexandre de O. Gomes, Luiz A. N. Mendes, Boniek G. Vaz</i>	Source Rock, Oil and Gas Characterization
ALB515	GEOCHEMICAL CHARACTERIZATION OF CRUDE OIL MIXTURES IN A BRAZILIAN BASIN BY FTICR-MS ANALYSIS	<i>Yuri Arrates Rocha, Leonardo M. Ferreira, Danielle M. M. Franco, Rosana C.I. Pereira, Mário D. Rangel, Rosineide C. Simas, Ygor S. Rocha, Joelma P. Lopes, Igor V.a.f. Souza, Boniek G. Vaz</i>	Source Rock, Oil and Gas Characterization
ALB534	POTENTIAL OF SOURCE ROCKS OF THE DEEP-WATER POTIGUAR BASIN: A NEW EXPLORATION FRONTIER IN EQUATORIAL BRAZIL	<i>Narelle Maia de Almeida, Ana Clara Braga de Souza, Alina de Oliveira Cunha</i>	Source Rock, Oil and Gas Characterization
ALB570	EXPLORING THE PERFORMANCE OF APPI (+) AND ESI (-) ION SOURCES IN FT-ICR MS ANALYSIS FOR DISCRIMINATING LACUSTRINE AND MARINE OILS	<i>Lidya Cardozo da Silva, Jussara Valente Roque, João Victor Ataíde Oliveira, Danielle Mitze Muller Franco, Taynara Rodrigues Covas, Gesiane da Silva Lima, Boniek Gontijo Vaz</i>	Source Rock, Oil and Gas Characterization
ALB583	EXPLORING POLAR COMPOUNDS VARIATIONS IN CRUDE OILS FROM PRE-SALT AND POST-SALT RESERVOIRS THROUGH ESI FT-ICR MS	<i>Gesiane da Silva Lima, Deborah V. A. de Aguiar, Rodolfo R. da Silva, Iris Medeiros Júnior, Alexandre de O. Gomes, Luiz A. N. Mendes, Boniek G. Vaz</i>	Source Rock, Oil and Gas Characterization
ALB604	THE WOODFORD SHALE AND DISTINCTIVE OILS IN THE CHEROKEE PLATFORM, OKLAHOMA.	<i>Damián Villalba, R. Paul Philp</i>	Source Rock, Oil and Gas Characterization
ALB614	UNVEILING THE HYDROCARBON GENERATION CAPACITY OF PELOTAS BASIN: AN INTEGRATED GEOCHEMICAL APPROACH	<i>Monique Aparecida Marchese Rizzi, Tiago Jonatan Girelli, Matheus Fernandes da Cruz, Henrique Serratt, Claudia Domingues Teixeira, Farid Chemale Junior</i>	Source Rock, Oil and Gas Characterization
ALB704	- HOPENES IN THE IRATI FORMATION - PERMIAN OF THE PARANÁ BASIN, BRAZIL	<i>Darilly Érika Silva dos Reis, Marco Antônio Ruivo de Castro, René Rodrigues</i>	Source Rock, Oil and Gas Characterization
ALC521	CARACTERIZATION OF MARINE AND LACUSTRINE OILS FROM SERGIPE-ALAGOAS BASIN, BRAZIL, BY APPI(+) FT-ICR MS	<i>Rafael Moreira Silva, Letícia Fernandes Sakai, Caroline Adolphsson do Nascimento, Danielle Mitze Muller Franco, Boniek Gontijo Vaz, Georgiana Feitosa da Cruz, Laercio Lopes Martins</i>	Source Rock, Oil and Gas Characterization
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ALC092	ANÁLISE GEOQUÍMICA DOS INTERVALOS BASAIS DA SEQUÊNCIA BAMBUÍ NA BACIA DO SÃO FRANCISCO, A PARTIR DE DADOS DISPONÍVEIS PELA ANP	<i>Daniel Andrade Miranda, Carlos Roberto de Souza Filho, Áquila Ferreira Mesquita</i>	Reservoir Geochemistry
ALC105	GEOCHEMICAL FINGERPRINTING ANALYSIS FOR ALLOCATION OF	<i>Claudia Juliana Orejuela Parra, Jael Yanine Pacheco,</i>	Reservoir Geochemistry



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	COMMINGLED OIL PRODUCTION: A CASE STUDY	<i>Claudia Juliana Quintero, David Cañas</i>	
ALC108	APPLICATION OF CHROMATOGRAPHIC ANALYSIS TO CHARACTERIZATION AND EVALUATION OF OIL PRODUCTS OF COMBUSTION TUBE EXPERIMENTS	<i>Jael Yaniene Pacheco, Claudia Juliana Orejuela, Julia Herrera, Martha Trujillo, Romel Pérez</i>	<i>Reservoir Geochemistry</i>
ALC148	A MOLECULAR STUDY USING FT- ICR MS OF OILS RECOVERED BY INJECTION ALTERNATED OF WATER AND GAS.	<i>Joveilton Batista da Silva Junior, Danielle Mitze Müller Franco, Jussara Valente Roque, Lidya Cardozo da Silva, Mário Duncan Rangel, Rosana Cardoso Lopes Pereira, Rosineide Costa Simas, Taynara Rodrigues Covas</i>	<i>Reservoir Geochemistry</i>
ALC176	COMPARISON BETWEEN GEOCHEMICAL RESULTS OF CARBONATE ROCKS OBTAINED FROM TOTAL WDXRF DATA AND STOICHIOMETRIC RECALCULATIONS FROM XRD- RIETVELD QUANTITATIVE PHASE ANALYSIS	<i>Aldemir de Melo Sotero, Simone Patrícia Aranha da Paz, Claudio Regis dos Santos Lucas, Pedro Tupã Pandava Aum, Rômulo Simões Angélica</i>	<i>Reservoir Geochemistry</i>
ALC215	ASSESSMENT OF CRUDE OIL BASIC POLAR COMPONENTS ONTO CARBONATE BY ESI (+) FT- ICR MS, AFTER MODIFIED CATIONIC STARCH INJECTION (EOR)	<i>Luciana Gicovate Paes Sodré, Lorraine Louise Greco Cavalcanti de Araújo, Danielle Mitze Muller Franco, Boniek Gontijo Vaz, Georgiana Feitosa da Cruz</i>	<i>Reservoir Geochemistry</i>
ALC381	IDENTIFYING PRE-SALT CRUDE OILS COMPOSITIONAL VARIATIONS IN PRODUCTION MONITORING BY COMPREHENSIVE TWO DIMENSIONAL GAS CHROMATOGRAPHY	<i>Clarisse Lacerda Torres, Dayane Magalhães Coutinho, Vinicius Barreto Pereira, Mônica Cardoso Santos, Luiz Antonio Freitas Trindade, Daniel Silva Dubois, Joelma Pimentel Lopes, Gabriela Vanini, Francisco Radler de Aquino Neto, Débora de Almeida Azevedo</i>	<i>Reservoir Geochemistry</i>
ALC449	RESERVOIR COMPOSITIONAL GRADIENT UNVEILED BY ASPHALTENE CHARACTERIZATION USING FT- ICR MS	<i>Gabriel Henry Moraes Dufrayer, Lidya Cardozo da Silva, Danielle Mitze Muller Franco, Joveilton Batista da Silva Júnior, Rosana Cardoso L. Pereira, Mário Ducan Rangel, Joelma Pimentel Lopes, Igor Viegas A. F. Souza, Boniek Gontijo Vaz</i>	<i>Reservoir Geochemistry</i>
ALC487	RESERVOIR GEOCHEMISTRY 4D: THE USE OF FINGERPRINTING AS A WAY TO MONITOR WAG EFFICIENCY	<i>Joelma Pimentel Lopes, Igor Vegas Alves Fernandes de Souza, Daniel Silva Dubois, Jarbas Vicente Poley Guzzo, Alexandre Jaime Mello Vieira, Alexandre de Andrade Ferreira, Marcia Ida de Oliveira Silva, Jose Sérgio de Araujo Cavalcante Filho, Victor de Souza Rios</i>	<i>Reservoir Geochemistry</i>



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ALC584	LAESI MASS SPECTROMETRY IMAGING AS A TOOL TO INVESTIGATE A WETTABILITY ALTERATION CASE IN CARBONATE ROCK	<i>Lorraine Louise Greco Cavalcanti de Araújo, Gesiane da Silva Lima, Lidya Cardozo da Silva, Gabriel Franco dos Santos, Boniek Gontijo Vaz, Regina Sandra Veiga Nascimento, Georgiana Feitosa da Cruz</i>	<i>Reservoir Geochemistry</i>
ALC654	THE EFFECT OF BIODEGRADATION ON CRUDE OIL MIXING	<i>Bruno Quirino Araújo, Fernanda Borges dos Santos Magalhães, Bruno Fioresi Paqueli, Cristina Maria dos Santos Sad, Paulo Roberto Filgueiras, Eustáquio Vinicius Ribeiro de Castro</i>	<i>Reservoir Geochemistry</i>
ALC682	THE IMPACT OF NATURAL SUPERCRITICAL CO ₂ ON THE CHEMICAL COMPOSITION OF IN-RESERVOIR OILS	<i>Thomas B. P. Oldenburg, Hossein Hosseini, Joelma P. Lopes, Ygor dos Santos Rocha, Igor V.A.F. de Souza</i>	<i>Reservoir Geochemistry</i>
ALD101	COMPARATIVE ANALYSIS OF TWO HORIZONTAL WELLS IN THE VACA MUERTA FORMATION USING STABLE ISOTOPES IN HYDROCARBON GASES AND ROCK GEOCHEMICAL DATA	<i>Federico Daniel Weibel, Martin Eugenio Fasola</i>	<i>Isotopic Geochemistry</i>
ALD116	COMPOSIÇÃO ELEMENTAR E ISOTÓPICA DA MATÉRIA ORGÂNICA SEDIMENTAR DO SISTEMA ESTUARINO DE PARANAGUÁ	<i>Marines Maria Wilhelm, César de Castro Martins</i>	<i>Isotopic Geochemistry</i>
ALD125	ELEMENTAL AND ISOTOPIC COMPOSITION OF SEDIMENTARY ORGANIC MATTER FROM ADMIRALTY BAY (KING GEORGE ISLAND, ANTARCTICA)	<i>Viviane Korres Bisch, Satie Taniguchi, Marcia Caruso Bicego, Rafael André Lourenço, Amanda Câmara de Souza, César de Castro Martinsa</i>	<i>Isotopic Geochemistry</i>
ALD160	ESTUDO DO COMPORTAMENTO MOLECULAR E ISOTÓPICO DE ¹³ C DURANTE BIORREMEDIAÇÃO IN SITU DE N-ALCANOS PRESENTES EM SEDIMENTO DE MANGUEZAL CONTAMINADO POR PETRÓLEO	<i>Naiana Dias dos Santos, Maria do Rosário Zucchi, José Roberto Bispo de Souza, Danúsia Ferreira Lima, Alexandre Barreto Costa</i>	<i>Isotopic Geochemistry</i>
ALD273	STABLE ISOTOPE ANALYSIS OF BENZOIC ACID USING ELECTROSPRAY ORBITRAP MASS SPECTROMETRY	<i>Gabriel Franco dos Santos, Gesiane da Silva Lima, Giovanni B. Bevilaqua, Nerilson M. Lima, Rodrigo C. da Silva, Alexandre A. Ferreira, Boniek G. Vaz</i>	<i>Isotopic Geochemistry</i>
ALD273	STABLE ISOTOPE ANALYSIS OF BENZOIC ACID USING ELECTROSPRAY ORBITRAP MASS SPECTROMETRY	<i>Gabriel Franco dos Santos, Gesiane da Silva Lima, Giovanni B. Bevilaqua, Nerilson M. Lima, Rodrigo C. da Silva, Alexandre A. Ferreira, Boniek G. Vaz</i>	<i>Isotopic Geochemistry</i>
ALD511	ISÓTOPOS DE ENXOFRE ($\Delta^{34}\text{S}$) INORGÂNICO E ORGÂNICO NA CARACTERIZAÇÃO DE ROCHAS GERADORAS DO BRASIL	<i>Grace Alejandra Navas Rivas, Javier Marcelino Salazar Rodriguez, Manuel Antonio Moreira Ramirez, Alexandre de Andrade Ferreira, Igor Viegas Alves Fernandes de Souza, Rut Amelia Diaz Ramos</i>	<i>Isotopic Geochemistry</i>
ALD610	PRELIMINARY CARBON AND OXYGEN ISOTOPE	<i>Zoneibe Augusto Silva Luz, Nicolás Strikis, Hamilton</i>	<i>Isotopic Geochemistry</i>



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	CHEMOSTRATIGRAPHY OF A CARBONATIC SUCCESSION (ILHA DE SANTANA AND PIRABAS FORMATIONS) ON THE BRAZILIAN EQUATORIAL MARGIN	<i>Santos Gama Filho, Marcelino Jose dos Anjos, Mauro Gerales, Dayana Alvarado Sierra, Beatriz Teixeira Guimarães, Orangel Aguilera</i>	
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ALD706	GAS HYDRATE STUDIES IN BRAZIL: FUTURE PERSPECTIVES	<i>Luiz Frederico Rodrigues, João Marcelo Ketzer, José A. Cupertino, Adolpho H. Augustin, Daniel Praeg</i>	<i>Isotopic Geochemistry</i>
ALF023	AVALIAÇÃO DA QUALIDADE DA ÁGUA DA LAGOA DO BERRECA, FEIRA DE SANTANA, BAHIA	<i>Taise Bomfim de Jesus, Camilla Marcele Silva Alves, Juliana Conceição Brandão, Rosemeire Silva de Paiva Santos</i>	<i>Biogeochemistry</i>
ALF053	ALTA VARIABILIDADE ESPACIAL DA PRODUÇÃO AERÓBICA DE DIÓXIDO DE CARBONO EM SOLOS INUNDADOS AMAZÔNICOS (RIO MADEIRA, BRASIL)	<i>Ana Luisa Fonseca de Oliveira, Fausto Machado Silva, Roberta Bittencourt Peixoto, Jasquelin Peña, Torsten Vennemann, Leonardo Amora Nogueira, Guilherme Castro da Rosa Quintana, Ingo Daniel Wahnfried, Mathieu Martinez, Petrus Magnus Amaral Galvão, Jorge Almeida de Menezes, Amazonino Lemos de Castro, Carlos Barbosa Pessoa, Humberto Marotta Ribeiro</i>	<i>Biogeochemistry</i>
ALF054	PRODUÇÃO DE METANO SUBSUPERFICIAL NO SEDIMENTO DE UM LAGO DE PLANÍCIE DE INUNDAÇÃO AMAZÔNICA (HUMAITÁ, AM)	<i>Ana Luisa Fonseca de Oliveira, Thairiny Fonseca Pereira, Manuela Lima Carvalho, Douglas da Motta Pio, Daniela França, Helena Rodrigues do Bomfim, Luiza Pereira Machado, Leonardo Amora Nogueira, Guilherme Castro da Rosa Quintana, Humberto Marotta Ribeiro</i>	<i>Biogeochemistry</i>
ALF058	LABILE ORGANIC MATTER IN A MARINE SEDIMENT CORE AT SOUTHEASTERN BRAZILIAN MARGIN	<i>Carolina Santos Reis de Andrade da Silva, Bruna Borba Dias, Ana Luíza Spadano Albuquerque, Elisamara Sabidini-santos, André Bahr, Rut Amelia Díaz Ramos</i>	<i>Biogeochemistry</i>
ALF133	MERCURY AND SELENIUM IN BIOLOGICAL PUMP UNDER UPWELLING-DOWNWELLING INFLUENCE, SOUTH ATLANTIC OCEAN, CABO FRIO SHELF, BRAZIL.	<i>Alina Criane de Oliveira Pires, Sabrina Pinto Ramos, Orangel Aguilera, Jeremie Garnier, Silvia Keiko Kawakami, Eduardo Vianna Almeida, Emmanoel Vieira Silva-filho, Ana Luiza Spadan Albuquerque, Vinicius Tavares Kutter</i>	<i>Biogeochemistry</i>
ALF158	BIOGENIC OR THERMOGENIC? THAT IS THE QUESTION ! TERPENOID HYDROCARBONS IN THE SEDIMENTS OF MANGROVE SWAMPS IN A BRAZILIAN SUBTROPICAL ESTUARINE SYSTEM	<i>César de Castro Martins, Marina Reback Garcia, Richard Paul Philp</i>	<i>Biogeochemistry</i>



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ALF159	ELEMENTARY AND ISOTOPIC CHARACTERIZATION OF SEDIMENTARY ORGANIC MATTER FROM THE OIAPOQUE RIVER (BRAZIL – FRENCH GUIANA BORDER)	<i>César de Castro Martins, Yasmym de Vincenzi Werich Schütz, Carlos Eduardo de Rezende, Fernanda Maria de Souza</i>	<i>Biogeochemistry</i>
ALF165	GEOCHEMICAL CHARACTERIZATION OF BIOTIC CRISES FROM EARLY TO MIDDLE DEVONIAN IN PONTA GROSSA FORMATION, PARANÁ BASIN	<i>Eliane Soares de Souza, Luiza Rodrigues Rocha, Hélio Jorge Portugal Severiano Ribeiro, Luiz Carlos Bertolino, Georgiana Feitosa da Cruz</i>	<i>Biogeochemistry</i>
ALF516	INFLUENCE OF EUTROPHICATION ON DIFFERENT SIZE CLASSES OF PERNA PERNA MUSSELS ON THE COAST OF RIO DE JANEIRO: PRELIMINARY RESULTS OF AN INTEGRATED APPROACH BASED ON CARBON AND NITROGEN STABLE ISOTOPES, AND MORPHOMETRY	<i>Thais Erbas da Silva, Aguinaldo Nepomuceno Marques Júnior, Edson Pereira da Silva, Michelle Rezende Duarte, Nilva Brandini, Mauricio Lorenzo Cerda Lema, Lorena Sampaio Nascimento, Marcele Abreu Lopes, Gwenaél Yves Abril</i>	<i>Biogeochemistry</i>
ALF644	RAMAN MICROSCOPY AS A TOOL FOR IDENTIFYING BIOSIGNATURES IN SPELEOTHEM MICROBIALITES	<i>Gabriela Duarte de Oliveira, Ivo Karmann, Patricio Munoz</i>	<i>Biogeochemistry</i>
ALF267	FROM ATOMS TO LANDSCAPES THROUGH TIME: BIOGEOCHEMICAL CYCLES AND THE CHEMICAL CONTROLS ON CARBONATE PRECIPITATION IN ALKALINE LAKES	<i>Raphael Pietzsch</i>	<i>Biogeochemistry</i>
ALF416	QUANTITATIVE ESTIMATIONS OF PRESERVATION OF ORGANIC CARBON DURING CRETACEOUS OCEANIC ANOXIC EVENTS IN THE ESPÍRITO SANTO BASIN	<i>Igor Martins Venancio Padilha de Oliveira, Thiago Pereira dos Santos, Andre Luiz Belem, Marcelo Correa Bernardes, Rut Amelia Diaz, Victor Ribeiro Carreira, Manuel Antônio Moreira Ramirez, André Luiz durante Spigolon, Igor Viegas A. F. de Souza, Ana Luiza Spadano Albuquerque</i>	<i>Biogeochemistry</i>



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ALE017	AROMATIC CAROTENOIDS BY GC×GC-TOFMS IN ORGANIC-RICH SHALE FROM IRATI FORMATION, PARANÁ BASIN, BRAZIL	<i>Vitor Hugo dos Santos Góes, Mirella Castilho, Vinícius B. Pereira, Laércio L. Martins, Anderson José Maraschin, Hélio J.p.s. Ribeiro, Georgiana F. da Cruz, Débora A. Azevedo</i>	<i>Environmental Geochemistry</i>
ALE026	BIOMARKER ASSESSMENT IN RECENT SEDIMENT FROM COASTAL ECOSYSTEM IN JURUBATIBA NATIONAL PARK (RIO DE JANEIRO, BRAZIL)	<i>Manoel Mendes Alves Junior, Vinícius Barreto Pereira, Raquel Vieira Santana da Silva, Débora de Almeida Azevedo</i>	<i>Environmental Geochemistry</i>
ALE068	EVALUATION OF SOIL ORGANIC MATTER FROM DIFFERENT PRODUCTION SYSTEMS IN THE ATLANTIC FOREST BIOME	<i>Pedro Augusto Dias de Oliveira, Renato de Aragão Ribeiro Rodrigues, Libério da Silva, Marina Teixeira Furtado</i>	<i>Environmental Geochemistry</i>
ALE069	INTEGRATED CROP-LIVESTOCK-FOREST AND WELL-MANAGED PASTURES INCREASE SOIL CARBON STOCKS IN THE BRAZILIAN ATLANTIC FOREST BIOME	<i>Pedro Augusto Dias de Oliveira, Renato de Aragão Ribeiro Rodrigues, Libério da Silva</i>	<i>Environmental Geochemistry</i>
ALE079	DISTRIBUIÇÃO DE N-ALCANOS EM SEDIMENTOS E TECIDOS VEGETAIS DE RHIZOPHORA MANGLE EM MANGUEZAIS DA BAÍA DE PARANAGUÁ, PR (BRASIL)	<i>Stephani Tiné Didoni, Ana Caroline Cabral, César de Castro Martins</i>	<i>Environmental Geochemistry</i>
ALE081	VARIATIONS OF HYDROCARBON COMPOSITION IN SURFACE SEDIMENTS IN AMAZON FLOODPLAIN LAKES	<i>Alexander Andrey Lopes da Silva, Vinicius Barreto Perreira, Leonardo Amora Nogueira, Luciane Silva Moreira, Renato Campello Cordeiro, Humberto Marotta Ribeiro, Gabriela Vanini Costa, Débora de Almeida Azevedo</i>	<i>Environmental Geochemistry</i>
ALE090	SOURCE AND WEATHERING OF SPILLED OILS ON THE COAST OF THE STATE OF CEARÁ, NORTHEAST BRAZIL, IN EARLY 2022	<i>Rufino Neto Andrade de Azevedo, Kamylla M. M. Bezerra, Ronaldo F. Nascimento, Robert K. Nelson, Christopher M. Reddy, Adriana P. Nascimento, Danielle M.m. Franco, Taynara R. Covas, Boniek G. Vaz, André H.b. Oliveira, Rivelino M. Cavalcante, Laercio L. Martins</i>	<i>Environmental Geochemistry</i>
ALE098	COMPOSITION OF PAHS IN WATER, SEDIMENTS AND OIL SLICKS FROM THE BRAZILIAN COAST TO ASSESS THE IMPACT OF THE 2019 OIL SPILL	<i>Antonia Machado Correa, Marcus Ferreira Tenório, Kátia Zaccur Leal, Felipe Ferreira Campos, Carlos Daniel Pérez, Fabiano Thompson, Carlos Eduardo de Rezende, Marcelo Corrêa Bernardes</i>	<i>Environmental Geochemistry</i>



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ALE100	EVALUATION OF THE ANTHROPOGENIC CONTAMINANTS IN THE ATMOSPHERIC PARTICULATE MATTER OVER AN ECOTOURISTIC AREA OF RIO DE JANEIRO, BRAZIL	<i>Manoel Mendes Alves Junior, Mateus Maurício de Oliveira, Raquel Vieira Santana da Silva, Denise de Almeida Gonzalez, Debora de Almeida Azevedo, Celeste Yara dos Santos Siqueira</i>	<i>Environmental Geochemistry</i>
ALE115	USO DE N-ALCANOS NO RECONHECIMENTO DE MUDANÇAS AMBIENTAIS EM ESTUÁRIOS SUBTROPICAIS	<i>Marines Maria Wilhelm, César de Castro Martins</i>	<i>Environmental Geochemistry</i>
ALE146	PARÂMETROS FÍSICO-QUÍMICOS DA ÁGUA PLUVIAL COMO CRITÉRIO PARA ANÁLISE DO SISTEMA CLIMA URBANO: UMA APLICAÇÃO NO AGLOMERADO URBANO DA REGIÃO METROPOLITANA DO RIO DE JANEIRO.	<i>Teresa de Jesus Manuel, Antonio Carlos Oscar Junior</i>	<i>Environmental Geochemistry</i>
ALE164	INFLUENCE OF A WEATHER EVENT ON THE TRAJECTORY AND DEGRADATION LEVELS OF TARBALLS SAMPLES FROM AN OIL SPILL OCCURRED IN THE CAMPOS BASIN, RIO DE JANEIRO	<i>Eliane Soares de Souza, Lucas Rodrigues Tavares, Nivaldo Silveira Ferreira</i>	<i>Environmental Geochemistry</i>
ALE183	POSSIBLE IMPACT AND CONSEQUENCES OF CURRENT OCEAN ACIDIFICATION ON RHODOLITH BEDS ON THE SOUTH AMERICAN SHELF	<i>Gabriela Oliveira Rosário, Mirian Cristina Oliveira da Costa, Emmanoel Vieira da Silva Filho</i>	<i>Environmental Geochemistry</i>
ALE223	ANÁLISE HIDROGRÁFICA DO DISTRITO FEDERAL (DF): DESENVOLVIMENTO DE METODOLOGIA E LEVANTAMENTO ISOTÓPICO	<i>Suellen Melquiades Campos, Amanda Caroline de Jesus Costa</i>	<i>Environmental Geochemistry</i>
ALE226	VEGETABLE LOOFAH COATED WITH MAGNETIC NANOPARTICLES (Fe_3O_4 AND $\text{Fe}_3\text{O}_4/\text{CTBA}$) FOR REMOVAL OF OIL SPILLS	<i>Georgiana Feitosa da Cruz, Luana Cecília M. Cantagesso, Gustavo Escher P. Mendes, Aryane Tofanello</i>	<i>Environmental Geochemistry</i>
ALE230	GEOCHEMICAL AND ENVIRONMENTAL ASSESSMENT OF MARINE SEDIMENTS AFTER THE 2019 OIL SPILL IN PERNAMBUCO STATE, BRAZIL	<i>Bianca Micaela Macario Gonçalves Acioli, Thayane Cristina da Silva Moreira, Alex Souza Moraes, Jandyson Machado Santos</i>	<i>Environmental Geochemistry</i>
ALE233	METAL RATIO DISTRIBUTION IN SURFACE SEDIMENTS FROM A TROPICAL HYPERSALINE LAGOON	<i>Cleuza Leatriz Trevisan, Javier Salazar, Murilo de Carvalho Vicente, Teresa Cristina Guimarães, Manuel Moreira-ramírez, Rut Díaz, Julio Cesar Wasserman</i>	<i>Environmental Geochemistry</i>
ALE251	EVALUATION OF URBAN POLLUTION IN A TROPICAL LACUSTRINE ECOSYSTEM BY USING N-ALKANES AND STEROLS AS BIOMARKERS	<i>Rodrigo de Lima Sobrinho, Gabriel da Costa Peçanha, Thallis Martins de Souza, Luiz Carlos Cotovicz Junior, Luciana Oliveira Vidal, Annibal Duarte Pereira Netto, Marcelo Corrêa Bernardes</i>	<i>Environmental Geochemistry</i>
ALE278	ENVIRONMENTAL GEOCHEMISTRY EVALUATION OF THE WEATHERING IMPACTS IN OILS FROM THE MYSTERIOUS 2019 SPILL	<i>Isabelle Farias Silva de Lima, Ignes Regina dos Santos, Marília Gabriela Araújo Pereira, Jhonattas de Carvalho Carregosa,</i>	<i>Environmental Geochemistry</i>



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ALE281	GEOCHEMICAL FORENSIC EVALUATION OF RECENTLY APPEARING TAR BALLS ON THE NORTHEAST COAST OF BRAZIL AND THEIR RELATIONSHIP WITH THE MYSTERIOUS 2019 OIL SPILL	<i>Marília Gabriela Araújo Pereira, Ignes R. dos Santos, Isabelle F. S. de Lima, Jhonattas C. Carregosa, Alberto Wisniewski Jr, Jandysson Machado Santos</i>	<i>Environmental Geochemistry</i>
ALE299	SOURCES OF SEDIMENTARY ORGANIC MATTER IN THE RIO DE LA PLATA ESTUARY: A MOLECULAR AND COMPOUND-SPECIFIC ISOTOPE APPROACH	<i>Lígia Dias de Araujo, Satie Taniguchi, Leticia Burone, Michel Michaelovitch de Mahiques, Marcia Caruso Bicego</i>	<i>Environmental Geochemistry</i>
ALE320	USING DIAGNOSTIC RATIOS FOR CHARACTERIZATION OF NATURAL ORGANIC MATTER FROM THE BERTIOGA MAGROVE, SÃO PAULO.	<i>Daniela Gomes Moreira</i>	<i>Environmental Geochemistry</i>
ALE345	EVALUATION OF THE ORGANIC MATTER MATURITY ON ADMIRALTY BAY SEDIMENT, KING GEORGE ISLAND, ANTARCTIC, DURING 2019-2020 SUMMER	<i>Maria Julia Vieira Ventura, César de Castro Martins, Rafael André Lourenço</i>	<i>Environmental Geochemistry</i>
ALE351	ENTRE TERRA E MAR: DE ONDE VEM A MATÉRIA ORGÂNICA DA BAÍA DA BABITONGA (SANTA CATARINA, BRASIL)?	<i>Beatriz Benedetti, Tailisi Hoppe Trevizani, Bianca Sung Mi Kim, Rubens Cesar Lopes Figueira</i>	<i>Environmental Geochemistry</i>
ALE354	BIODEGRADATION OF THE SPILLED OIL ON THE BRAZIL'S NORTHEAST COAST OVER TIME (2019-2021) ASSESSED BY HIGH-RESOLUTION TECHNIQUES	<i>Laercio Lopes Martins, Bárbara Diniz Lima, Vinícius Barreto Pereira, Danielle Mitze Muller Franco, Ignes R. dos Santos, Jandyson Machado Santos, Boniek Gontijo Vaz, Débora de Almeida Azevedo, Georgiana Feitosa da Cruz</i>	<i>Environmental Geochemistry</i>
ALE355	HIGHER PCBS CONCENTRATIONS IN SUSPENDED PARTICULATE MATTER OF ADMIRALTY BAY, ANTARCTICA PENINSULA, IN THE LATE SUMMER OF 2023	<i>Amanda Câmara de Souza, Josilene da Silva, Satie Taniguchi, Tatiane Combi, César de Castro Martins, Rafael André Lourenço</i>	<i>Environmental Geochemistry</i>
ALE362	EVIDENCE OF ECOSYSTEMS CHANGES USING SEDIMENTARY PHOTOSYNTHETIC PIGMENTS	<i>Sheila Cardoso da Silva, Olga Kramer, Marcelo Pompêo, Rubens César Lopes Figueira, Viviane Moschini-carlos, Eduardo Vicente</i>	<i>Environmental Geochemistry</i>
ALE363	SPATIAL AND TEMPORAL HETEROGENEITY IN CASCADE MULTISYSTEM RESERVOIRS	<i>Sheila Cardoso da Silva, Tailisi Hoppe Trevizani, Rubens César Lopes Figueira, Marcelo Pompêo, Viviane Moschini-carlos</i>	<i>Environmental Geochemistry</i>
ALE367	ASSINATURA MOLECULAR DA VEGETAÇÃO DE MANGUEZAL LOCALIZADA SOB DIFERENTES CONDIÇÕES CLIMÁTICAS E PRESSÕES ANTROPOGÊNICAS	<i>Mylene Dias Diniz, Samires Moura Malaquias Pinheiro, Ana Cecília Rizzatti de Albergaria Barbosa</i>	<i>Environmental Geochemistry</i>
ALE377	PALEO-OXYGENATION OF THE EQUATORIAL ATLANTIC USING PORES IN BENTHIC FORAMINIFERA OVER THE PAST 30,000 YEARS	<i>Fernanda Pessanha Alvarenga Costa, Cátia Fernandes Barbosa</i>	<i>Environmental Geochemistry</i>
ALE393	ORIGIN AND DISTRIBUTION OF STEROLS AT THE SOUTHERN AND	<i>Alana Paranhos da Silva, Lígia Dias de Araújo, Satie</i>	<i>Environmental Geochemistry</i>



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	SOUTHEASTERN CONTINENTAL SHELF OF BRAZIL	<i>Taniguchi, Rafael André Lourenço, Michel Michaelovitch de Mahiques, Marcia Caruso Bicego</i>	
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ALE394	CHARACTERIZATION OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) CONTAMINATION IN MUD DEPOCENTER FROM THE SOUTHERN BRAZILIAN SHELF	<i>Alexandre Santos de Andrade, Satie Taniguchi, Rafael André Lourenço, Michel Michaelovitch de Mahiques, Rubens César Lopes Figueira, Marcia Caruso Bicego</i>	<i>Environmental Geochemistry</i>
ALE398	IS THERE A CORRELATION BETWEEN THE WAXY TARBALLS STRANDED ON THE COAST OF NORTHEAST BRAZIL IN LATE 2022 WITH PREVIOUS OIL SPILLS?	<i>Adriana Pereira do Nascimento, Rufino Neto Andrade de Azevedo, Marília Gabriela Araújo Pereira, André Henrique Barbosa de Oliveira, Jandysson Machado Santos, Rivelino Martins Cavalcante, Laercio Lopes</i>	<i>Environmental Geochemistry</i>
ALE400	CHARACTERIZATION OF NATURAL ALIPHATIC HYDROCARBON IN A MUD DEPOCENTER FROM THE SOUTHERN BRAZILLIAN SHELF	<i>Giovanna Lima Piccini, Satie Taniguchi, Felipe Rodrigues dos Santos, Rafael André Lourenço, Michel Michelovich de Mahiques, Rubens César Lopes Figueira, Márcia Caruso Bicego</i>	<i>Environmental Geochemistry</i>
ALE409	ASSESSMENT AND SPATIAL DISTRIBUTION OF POLYCYCLIC AROMATIC HYDROCARBONS (PAH) IN THE SURFACE SEDIMENT OF THE SANTOS ESTUARY, BRAZIL	<i>Lucas Costa Pereira, Satie Taniguchi, Rafael André Lourenço, Michel Michaelovitch de Mahiques, Rubens César Lopes Figueira, Márcia Caruso Bicego</i>	<i>Environmental Geochemistry</i>
ALE441	ASSESSMENT OF PETROGENIC HYDROCARBONS IN LEPAS ANATIFERA FIXED ON BEACHED TARBALLS ON THE NORTHEASTERN COAST OF BRAZIL IN 2022	<i>Antônia Duciene Feitosa Lima, Luiza C. Mello, Beatriz Diniz, Adriana P. Nascimento, Laercio L. Martins, Rivelino M. Cavalcante</i>	<i>Environmental Geochemistry</i>
ALE455	CAFFEINE AND CARBAMAZEPINE AS INDICATORS OF WASTEWATER CONTAMINATION IN THE BASIN OF PAQUEQUER RIVER (TERESÓPOLIS, RJ, BRAZIL)	<i>Eline Simões Gonçalves</i>	<i>Environmental Geochemistry</i>
ALE466	PHYSICO-CHEMICAL CHARACTERIZATION OF SEPETIBA AND ILHA GRANDE BAYS IN RIO DE JANEIRO	<i>Lorena Sampaio Nascimento, Nilva Brandini, Thaís Erbas da Silva, Gabriela Bravim de Oliveira, Wilson Thadeu Valle Machado, Gwenael Yves Abril, Marcelo Corrêa Bernardes</i>	<i>Environmental Geochemistry</i>
ALE467	TRANSPORT OF TERRIGENOUS ORGANIC MATTER TO THE OCEAN RELATED TO PRECIPITATION EVENTS DURING THE LAST 18,000 YEARS IN THE AMAZON BASIN.	<i>Gabriela Souza Gomes, Alice Maria da Silva Rodrigues, Igor Martins Venancio Padilha de Oliveira, Marcelo Corrêa Bernardes</i>	<i>Environmental Geochemistry</i>



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ALE469	IRON AND TRACE METALS GEOCHEMISTRY IN MARINE SEDIMENTS FROM CONTINENTAL SHELF OF DOCE AND JEQUITINHONHA RIVERS, BRAZIL	<i>Javier Marcelino Salazar Rodriguez, Grace Alejandra Navas Rivas, Manuel Moreira Ramírez, Gabriel Nuto Nobrega, Ana Luiza Albuquerque, André Bahr, Rut Amelia Díaz Ramos</i>	<i>Environmental Geochemistry</i>
ALE477	ULVA LACTUCA PHYTOREMEDIATION OF NITROGEN AND PHOSPHORUS COMPOUNDS OF AN EUTROPHIC TROPICAL COASTAL LAGOON	<i>Tacila Oliveira Pinto de Freitas, Vinicius Latgé Meira, Vinicius Peruzzi de Oliveira, Wilson Thadeu Valle Machado, Julio Cesar Wasserman</i>	<i>Environmental Geochemistry</i>
ALE494	SPATIAL DISTRIBUTION OF THE COASTAL REGION OF RIO DE JANEIRO: NITROGEN AND PHOSPHORUS IN SEPETIBA AND ILHA GRANDE BAYS	<i>Nilva Brandini, Gabriela Bravim de Oliveira, Thais Herbas, Lorena Sampaio Nascimento, Bastiaan A Knoppers, Marcelo C. Bernardes, Wilson T. Machado, Gwenaél Abril</i>	<i>Environmental Geochemistry</i>
ALE495	EVALUATION OF EUTROPHICATION IN ESTUARIES IN BRAZIL: ROTEIRO, MUNDAÚ, MANGUABA AND SÃO FRANCISCO RIVER (NORTHEAST); GUANABARA BAY (SOUTHWEST); GUARATUBA AND LARANJEIRAS BAYS (SOUTH)	<i>Nilva Brandini, Enaide Marinho de Melo Magalhães, Rivaldo Couto dos Santos Júnior, Bastiaan A Knoppers, Eunice da Costa Machado, Georgenes Cavalcante, Paulo Ricardo Petter Medeiros</i>	<i>Environmental Geochemistry</i>
ALE499	TRATAMENTO ESTATÍSTICO DE DADOS DE SEDIMENTOS DE CORRENTE NA REGIÃO OESTE DO QUADRILÁTERO FERRÍFERO	<i>Ana Carolina de Assis Machado, Eduardo Duarte Marques, Werner Weber</i>	<i>Environmental Geochemistry</i>
ALE545	EVALUATION OF NAPHTHENIC ACIDS IN WATER/OIL INTERFACE USING ESI-ORBITRAP MS	<i>Júlia Gonçalves de Souza, Lays leuxino Rodrigues, Jussara V. Roque, Iris Medeiros Júnior, Rogério M. de Carvalho, Boniek G. Vaz, Gabriel F. dos Santos</i>	<i>Environmental Geochemistry</i>
ALE561	FOOD SAFETY OF SEAFOOD OF THE CEARÁ COAST (NORTHEAST, BRAZIL) AFTER THE OIL SPILL (2019-2020)	<i>Beatriz Diniz Lopes, Rivelino Martins Cavalcante</i>	<i>Environmental Geochemistry</i>
ALE574	COMPOSIÇÃO ELEMENTAR E DE N-ALCANOS EM SEDIMENTO DE LAGO DA BACIA DO RIO NEGRO, AMAZÔNIA BRASILEIRA: UM ESTUDO PRELIMINAR	<i>Fernanda Souza Pinto, Luciane Moreira Silva, Renato Campello Cordeiro, Bruno Jean Turcq, Debora de Almeida Azevedo, Vinicius Barreto Pereira, Juliano Henrique Fonseca Soares</i>	<i>Environmental Geochemistry</i>
ALE576	EVALUATION OF THE MOLECULAR CHEMICAL PROFILE OF BRAZILIAN OILS FOR FORENSIC STUDIES AND INVESTIGATION OF ENVIRONMENTAL CRIMES	<i>Flavia Rodrigues Alvares, Vinicius Barreto Pereira, Ana Luiza Barboza S. Silva, Luiz Augusto de Oliveira Costa, Débora de Almeida Azevedo, Francisco Radler de Aquino Neto, Gabriela Vanini Costa</i>	<i>Environmental Geochemistry</i>



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ALE578	USE OF GEOCHEMICAL BIOMARKERS AS SEWAGE SOURCE TRACERS IN NODIPECTEN NODOSUS SCALLOP CROPPING	<i>Jéssica de Medeiros Soares, Marcelo Corrêa Bernardes, Nívia de Mello Nascimento, Antoni Felipe Oliveira de Andrade, Bruno Cesar Silva Rocha, Ricardo O'reilly Vasques, Eline Simões Gonçalves, Wilson Thadeu Valle Machado</i>	<i>Environmental Geochemistry</i>
ALE581	GEOCHEMICAL AND MICROPALAEONTOLOGICAL CHARACTERIZATION OF THE PIRABAS FORMATION (PARÁ, BRAZIL): A PALEOENVIRONMENTAL APPROACH	<i>Beatriz Teixeira Guimarães, Orangel Antonio Aguilera Socorro, Ana Paula Linhares, Sabrina Pinto Ramos, Rut Díaz, Manuel Moreira, Hamilton Santos Gama Filho, Marcelino Jose dos Anjos, Vinicius Tavares Kutter</i>	<i>Environmental Geochemistry</i>
ALE655	A CONTAMINAÇÃO AMBIENTAL NA BAÍA DE TODOS OS SANTOS, SUAS INTERAÇÕES E CONECTIVIDADES O CASO DO ESTUÁRIO DO RIO SUBAÉ, SALVADOR, BAHIA	<i>Suelen Ferreira de Souza, Thomaz Prado Pedral Sampaio, Lucas Calmon, Leandro Santos, Jose Angelo Sebastiao Araujo dos Anjos, Manoel Jerônimo Moreira Cruz</i>	<i>Environmental Geochemistry</i>
ALE656	CHARACTERIZATION OF TERRESTRIAL ORGANIC CARBON DURING THE LAST GLACIAL FROM MARINE CORE IN THE WESTERN EQUATORIAL ATLANTIC	<i>Alice Maria da Silva Rodrigues, Rodrigo de Lima Sobrinho, Patrícia Piacsek, Ioanna Bouloubassi, Arnaud Huguet, Ana Luiza Spadano Albuquerque, Igor Martins Venancio, Mercedes Mendez, Joana Ferreira da Cruz, Marcelo C. Bernardes</i>	<i>Environmental Geochemistry</i>
ALE678	APPLICATION OF PENTACYCLIC TRITERPENOL METHYL ETHERS IN RECENT SEDIMENTS: A NEW PALEOENVIRONMENTAL INDEX?	<i>Vinicius Barreto Pereira, Karen T. Stelzer, Rafael S. Xavier, Raquel V.s. Silva, Débora A. Azevedo</i>	<i>Environmental Geochemistry</i>
ALG014	ORBITRAP HIGH RESOLUTION MASS SPECTROMETRY AS AN IMPORTANT TOOL FOR THE CHARACTERIZATION OF CRUDE OILS	<i>Thamara Andrade Barra, Gabriela Vanini Costa, Débora de Almeida Azevedo</i>	<i>Analytical Techniques</i>
ALG216	OPTIMIZATION OF A GAS CHROMATOGRAPHY TRIPLE QUADRUPOLE MASS SPECTROMETRY METHOD FOR QUANTIFICATION OF ORGANIC SULFUR MARKERS IN CRUDE OILS SAMPLES	<i>Fábio Xavier Antunes Sampaio, Karina Santos Garcia, Antônio Fernando de Souza Queiroz, Maria Elisabete Machado</i>	<i>Analytical Techniques</i>
ALG332	ANALYTICAL INNOVATION FOR THE CHARACTERIZATION OF LIGHT HYDROCARBONS FOCUSING ON RESERVOIR GEOCHEMISTRY	<i>Daniela França dos Santos, Dayane M. Coutinho, Clarisse L. Torres, Vinicius B. Pereira, Raquel V. S. da Silva, Daniel S. Dubois, Joelma P. Lopes, Gabriela Vanini, Francisco R. Aquino Neto, Débora A. Azevedo</i>	<i>Analytical Techniques</i>



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ALG374	ANALYSIS OF CARBONACEOUS ELEMENTS IN THE AGUAS ZARCAS CARBONACEOUS CHONDRITE METEORITE USING ELECTRON MICROPROBE TECHNIQUE	<i>Tatiane Peters Donato, Amanda Araujo Tosi, Maria Elizabeth Zucolotto, Clarice Paixão de Souza</i>	<i>Analytical Techniques</i>
ALG429	FRACTIONATION OF NSO COMPOUNDS FROM HIDROUS PYROLYSIS PRODUCTS BY H-MPLC AS A TOOL FOR EVALUATING CARBON ISOTOPIC COMPOSITION IN PETROLEUM GENERATION AND EXPULSION	<i>Rodrigo Cabral da Silva, Andre Luiz Durante Spigolon, Taynara Rodrigues Covas, Nerilson Marques Lima, Boniek Gontijo Vaz</i>	<i>Analytical Techniques</i>
ALG504	ULTRA-FAST SEPARATION OF BIOMARKERS USING THE AVERAGE THEORETICAL PEAK TIME METRIC AS A METHOD DEVELOPMENT TOOL	<i>Ellen Jéssica Monteiro Pereira Campos, Rodrigo Silva Teixeira, Carlos Alberto Carbonezi, Carin Von Mühlen</i>	<i>Analytical Techniques</i>
ALG518	OPTIMIZATION OF A METHODOLOGY FOR PLANT WAX INVESTIGATION AS GEOMARKER IN SOIL FORENSIC ANALYSIS: A N-ALKANE STUDY BY GC-FID	<i>Amanda Paraíso Faillace, Janaina de Assis Matos, Lívia Maria Linck Teixeira, Gislaine Natiele dos Santos Costa, Lucas Mattos Duarte, Silvana Vianna Rodrigues, Carla Semiramis Silveira</i>	<i>Analytical Techniques</i>
ALG522	ASSESSMENT OF A POTENTIAL BIOMARKER FOR THERMAL EVOLUTION OF OILS FROM POLAR COMPOUNDS ANALYSIS BY ULTRAHIGH-RESOLUTION MASS SPECTROMETRY	<i>Arquimedes Moraes Souza Coutinho, Jhonnatas de Carvalho Carregosa, Wenes Ramos da Silva, Boniek Gontijo Vaz, Taynara Rodrigues Covas, Alberto Wisniewski Junior, Jandyson Machado Santos</i>	<i>Analytical Techniques</i>
ALG539	APPLICATION OF FAST GC×GC-TOFMS FOR THE INVESTIGATION OF BIOMARKERS FROM THE DEVONIAN SEQUENCE OF THE PARNAÍBA BASIN, NE BRAZIL	<i>Vinicius Barreto Pereira, Vitor Hugo S. goes, Raquel V. S. Silva, Helio J.p.s. Ribeiro, Georgiana F. da Cruz, Débora A. Azevedo</i>	<i>Analytical Techniques</i>
ALG546	PERFORMANCE OF A HIGH RESOLUTION, MULTI-COLLECTOR, NOBLE GAS MASS SPECTROMETER HELIX MC PLUS INSTALLED AT THE SÃO PAULO STATE UNIVERSITY (UNESP-BRAZIL)	<i>Gabriela Ramos Hurtado, Marli Carina Siqueira Ribeiro, Everton Tiago Sulato, Eugenio Vaz Santos Neto, George Luiz Luvizotto, Alexandre de Andrade Ferreira, Erica Tavares de Moraes, Joelma Pimentel Lopes, Igor Viegas Alves Fernandes de Souza, Alexandre Jaime Mello Vieira</i>	<i>Analytical Techniques</i>
ALG552	OPTIMIZATION AND CERTIFICATION OF THE QUECHERS METHOD FOR THE DETERMINATION OF PAHS AND ALKYLATED PAHS AND THEIR ASSOCIATED RISKS IN MARINE ORGANISMS FROM OILED AREAS	<i>Rivelino Martins Cavalcante, Marília G.g. Menezes, Beatriz D. Lopes, Gabrielle M. Fernandes</i>	<i>Analytical Techniques</i>
ALG666	GC-MS/MS APPLIED FOR THE IDENTIFICATION OF NOVEL DIAROMATIC COMPOUNDS	<i>Bruno Quirino Araújo, Arkellau Kenned Silva Moura, Vinicius Barreto Pereira, Débora de Almeida Azevedo, Antônia Maria das Graças Lopes Citó</i>	<i>Analytical Techniques</i>



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ALH279	IDENTIFICATION OF CHEMICALLY DISTINCT CRUDE OIL PROFILES FROM THE SERGIPE-ALAGOAS BASIN USING MULTIPLEX NETWORKS AND ESI(±) FT-ICR MS DATA FUSION	<i>Pedro Gabriel Correia de Lucena, Jhonattas de Carvalho Carregosa, Marcos Nogueira Eberlin, Alberto Wisniewski Júnior, Jandyson Machado Santos</i>	<i>Data Mining & Artificial Intelligence</i>
ALH384	STOCHASTIC TOC MODELING FOR EAST AFRICAN RIFT SYSTEM LAKES, A POSSIBLE PRE-SALT ANALOGOUS.	<i>Victor Ribeiro Carreira, Victor Ribeiro Carreira, Igor Martins Venancio, Andre Luiz Belem, Rodrigo Azevedo Nascimento, Igor Viegas Alves Fernandes de Souza, André Luiz Durante Spigolon, Ana Luiza Spadano Albuquerque</i>	<i>Data Mining & Artificial Intelligence</i>
ALH448	APPLICATION OF DEEP LEARNING METHODS FOR SPOROMORPH SUBGROUP IDENTIFICATION	<i>Richard Bryan Magalhães Santos, Karen Soares Augusto, Marcos Henrique de Pinho Maurício, Sidnei Paciornik, Leandra Costa Lages, Sizenando Bispos-silva, André Luiz Durante Spigolon, Gil Marcio Avelino Silva, Taíssa Rêgo Menezes</i>	<i>Data Mining & Artificial Intelligence</i>
ALH463	EVALUATION OF THE PRESENCE OF ORGANIC MATTER IN ROCKS OF TREMEMBÉ FM., TAUBATÉ BASIN, BY REFLECTANCE SPECTROSCOPY	<i>Tainá Thomassim Guimarães, Joice Cagliari, Daniel Capella Zanotta, Luiza Carine Ferreira da Silva, Henrique Bavaresco, André Luiz Durante Spigolon, Luiz Gonzaga da Silveira Junior, Mauricio Roberto Veronez</i>	<i>Data Mining & Artificial Intelligence</i>
ALH569	MACHINE LEARNING-BASED PREDICTION OF ORIGIN, THERMAL EVOLUTION, AND BIODEGRADATION OF CRUDE OIL SAMPLES BY FT-ICR MS	<i>Jussara Valente Roque, Lidya Cardozo da Silva, Danielle Mitze Muller Franco, Gesiane da Silva Lima, Taynara Rodrigues Covas, Boniek Gontijo Vaz</i>	<i>Data Mining & Artificial Intelligence</i>
ALH598	USO DE MAPAS AUTO-ORGANIZÁVEIS PARA SELEÇÃO DE INTERVALOS ESTRATIGRÁFICOS PARA GEOCRONOLOGIA Re-Os: EXEMPLO DE APLICAÇÃO NA FORMAÇÃO PENDÊNCIAS, BACIA POTIGUAR, NE DO BRASIL	<i>Ravi Gabriel dos Santos Pinheiro Sampaio, Luiz Fernandes Dutra, Antomat Avelino de Macêdo Filho</i>	<i>Data Mining & Artificial Intelligence</i>
ALI520	INICIATIVAS A FAVOR DA DIVERSIDADE NA PETROBRAS	<i>Caroline Marchon Caetano</i>	<i>Welcome and Diversity: Equity in the Geoscience</i>
ALI605	CENSUS OF GEOSCIENCES AND THE QUALITATIVE AND QUANTITATIVE ANALYSIS OF PROFESSIONAL INEQUALITIES	<i>Jéssica de Souza Gabi Barcellos, Talita Gantus de Oliveira, Laísa de Assis Batista, Marion Freitas Neves, Darlly érika Silva dos Reis, Márcia Elisa Boscato Gomes, Alice Fernanda de Oliveira Costa</i>	<i>Welcome and Diversity: Equity in the Geoscience</i>



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ALI606	DIVERSITY AND WELCOMING IN WORKING SPACES: WHAT DO BRAZILIAN GEOSCIENTISTS NEED?	<i>Laisa de Assis Batista, Darly érika dos Reis, Marion Freitas Neves, Luna Gripp Simões Alves, Talita Gantus de Oliveira, Ana Caroline Duarte Dutra, Fernanda Quaglio, Rosaline C. Figueiredo e Silva</i>	<i>Welcome and Diversity: Equity in the Geoscience</i>

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